

Product Name: KD-Validated XRCC6 Rabbit Polyclonal Antibody**Catalog #: KVA01838**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit pAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500
Molecular Weight	Calculated MW: 69.8kDa

Antigen Information

Gene Name	XRCC6
Alternative Names	XRCC6; X-Ray Repair Cross Complementing 6; X-Ray Repair Complementing Defective Repair In Chinese Hamster Cells 6; G22P1; KU70; ML8; X-Ray Repair Cross-Complementing Protein 6; Thyroid Autoantigen 70kDa (Ku Antigen); ATP-Dependent DNA Helicase 2 Subunit 1; Thyroid Autoantigen 70kD (Ku Antigen) ; 5'-Deoxyribose-5-Phosphate Lyase Ku70; Lupus Ku Autoantigen Protein P70; 70 KDa Subunit Of Ku Antigen; DNA Repair Protein XRCC6; Ku Autoantigen, 70kDa; 5'-DRP Lyase Ku70; D22S731; D22S671; CTC75; CTCBF; TLAA; ATP-Dependent DNA Helicase II, 70 KDa Subunit; ATP-Dependent DNA Helicase II 70 KDa Subunit; CTC Box Binding Factor 75 KDa Subunit; CTC Box-Binding Factor 75 KDa Subunit; Thyroid-Lupus Autoantigen P70; Ku Autoantigen P70 Subunit; Thyroid-Lupus Autoantigen; EC 4.2.99.-; EC 3.6.4.-; Ku70

Gene ID	2547.0
SwissProt ID	P12956
Immunogen	A synthesized peptide derived from human Ku70

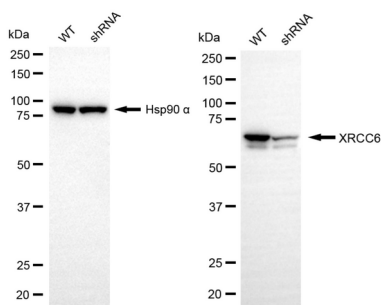
Background

The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for double-strand break repair, transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus erythematosus. [provided by RefSeq, Jul 2008]

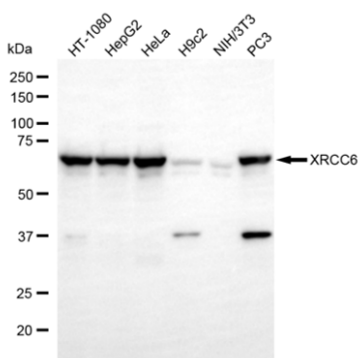
Research Area

Epigenetics and Nuclear Signaling,Cancer

Image Data



Western blotting analysis using XRCC6 antibody (KVA01838). XRCC6 expression in wild-type (WT) and XRCC6 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with XRCC6 antibody (KVA01838, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using XRCC6 antibody (KVA01838). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with XRCC6 antibody (KVA01838, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.